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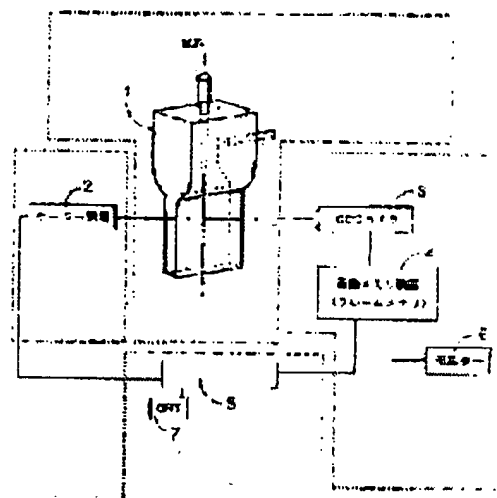
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(54) PARTICLE ANALYZER

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a particle analyzer by which blood cells can be discriminated with good accuracy on the basis of an image obtained by imaging particles in urine by a method wherein, regarding respective images of imaged particles, the particles are discriminated on the basis of a plurality of parameters.

SOLUTION: A sample is made to flow to a sheath flow cell 1 in the direction of an arrow, its flow is irradiated with pulsed light (by the Koehler illumination) of high directivity from a light source 2, and the sample is imaged continuously by a CCD camera 3. An image which is imaged by the CCD camera 3 is stored in an image memory 4, and also it is analyzed and processed by an image analyzer (a personal computer) 5, and its analyzed result is displayed on a CRT 7. In addition, the image which is imaged by the CCD camera 3 can be observed by a monitor 6. Thereby, particles such as blood cells are discriminated on the basis of a parameter expressing a particle area, on the basis of a parameter expressing a density ratio and on the basis of a parameter expressing a dispersion in a density, and a high discrimination rate is obtained.



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